



**MEDITERRANEAN
SECURITY
EVENT 2019**



Driving Innovation in Crisis Management
for European Resilience

Driving Innovation in Crisis Management for European resilience

TRIALS – NEW METHOD OF ASSESSING INNOVATIVE SOLUTION IN CRISIS MANAGEMENT

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- DRIVER+ SEEKS TO IMPROVE THE WAY CAPABILITY DEVELOPMENT AND INNOVATION MANAGEMENT ARE TACKLED, BY ASSESSING AND VALIDATING (IN REALISTIC ENVIRONMENTS) SOLUTIONS THAT ARE ADDRESSING THE OPERATIONAL NEEDS OF CRISIS MANAGEMENT PRACTITIONERS





To develop a **Pan-European Test-bed** for Crisis Management capability development



To develop a comprehensive **Portfolio of Crisis Management Solutions**



To facilitate a **shared understanding** in Crisis Management across Europe



OBJECTIVE 1: TO DEVELOP A PAN-EUROPEAN TEST-BED FOR CM CAPABILITY DEVELOPMENT

AN ARENA OF VIRTUALLY CONNECTED FACILITIES AND CRISIS LABS

1.

Providing a pragmatic **step-by-step guidance** to conduct trials

2.

Providing a **reference implementation** for all DRIVER+ trials

3.

Providing **general guidance and the technical infrastructure** of the Test-bed to support the trials

4.

Creating a **demonstration infrastructure where stakeholders can collaborate in trialling and evaluating** new tools, processes or organisational solutions



OBJECTIVE 2: TO DEVELOP A PORTFOLIO OF CRISIS MANAGEMENT SOLUTIONS A DATABASE-DRIVEN ONLINE CATALOGUE

1.

Documenting and **presenting details on solutions** tested and evaluated during the DRIVER+ Trials

2.

Allowing for the introduction of **third party solutions** already used by practitioners or relevant to Crisis Management

3.

Supporting the **sharing of user experiences**, and thereby, easing the successful implementation and usage of solutions for other practitioners



OBJECTIVE 3: TO FACILITATE A SHARED UNDERSTANDING IN CRISIS MANAGEMENT ENHANCING THE COOPERATION FRAMEWORK

1.

Building and structuring a dedicated **Community of Practice in Crisis Management** to facilitate identification of best practises and sharing of lessons learnt

2.

Cooperating with **CM experts, practitioners and solution providers** external to DRIVER+

3.

Organising **I4CM events (Innovation for Crisis Management)** that bring together solution providers practitioners at local/regional level and relay the Community of Users on European level

4.

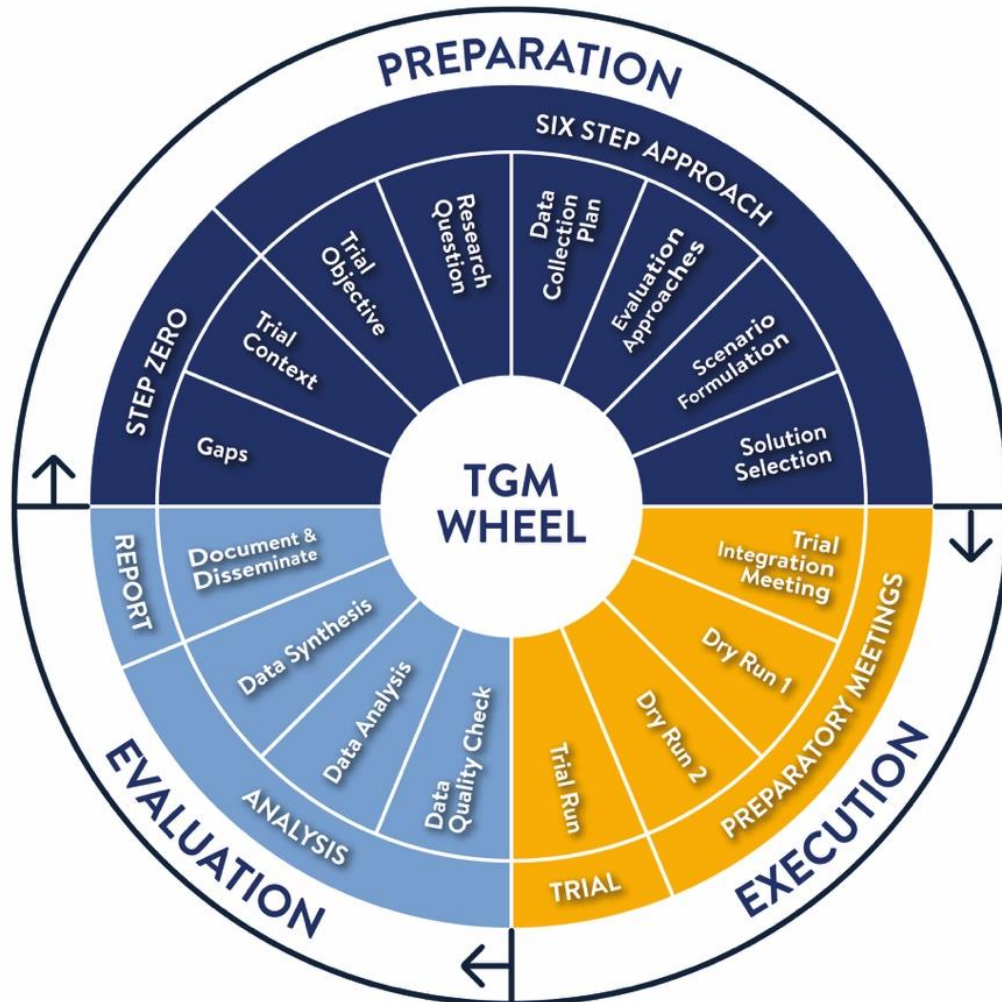
Developing new standards and/or contributing to ongoing and future **standard development**

5.

Organising **3 Policy-Research Roundtables** to exchange with policy-makers on project results and potential EU policy implications

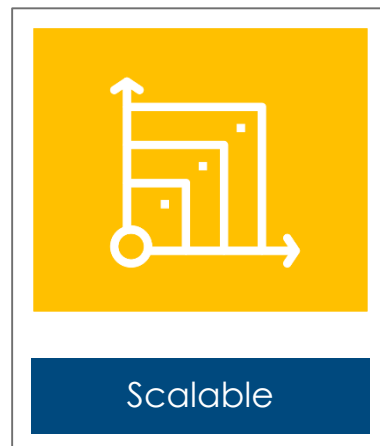
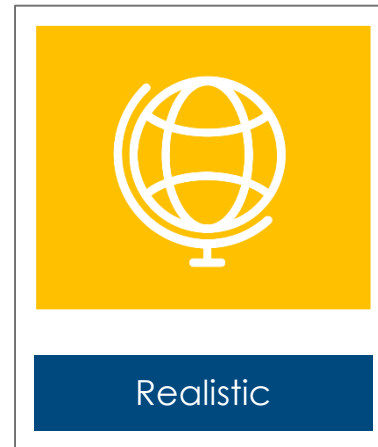
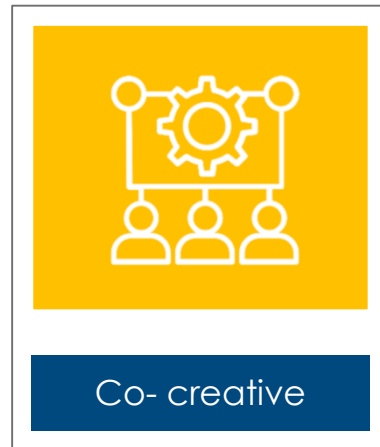
- PAN-EUROPEAN TEST-BED:
 - TRIAL GUIDANCE METHODOLOGY HANDBOOK (AND TRIAL GUIDANCE TOOL)
 - TECHNICAL INFRASTRUCTURE
 - TRAINING MODULE
- PORTFOLIO OF SOLUTIONS
- CMINE – CRISIS MANAGEMENT INNOVATION NETWORK EUROPE
- CENTRE OF EXPERTISE CONCEPT

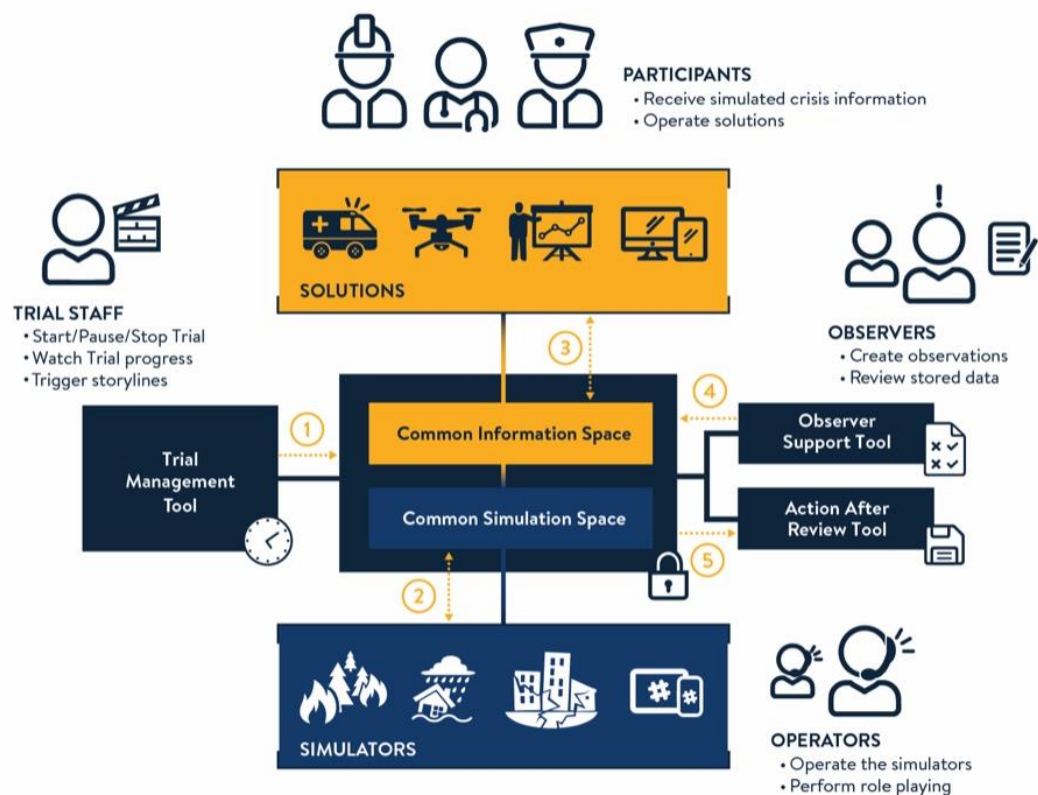




- **STRUCTURED APPROACH** (STEP-BY-STEP GUIDELINES) TO CARRY OUT A **ROBUST ASSESSMENT OF SOLUTIONS** AND THEIR POTENTIAL **IMPACT ON THE SOCIO-TECHNICAL SET-UP OF A CRISIS MANAGEMENT ORGANISATION**

- A PRAGMATIC AND SYSTEMATIC SUPPORT





- **FREE OF CHARGE AND OPEN SOURCE TOOLKIT THAT ALLOWS TO:**
- **CONNECT INNOVATIVE CRISIS MANAGEMENT SOLUTIONS TO EACH OTHER TO ENABLE AN EXCHANGE OF INFORMATION BETWEEN THEM**
- **CONNECT DIFFERENT SIMULATORS TO CREATE AND CONTROL REALISTIC CRISIS ENVIRONMENTS/SCENARIOS**



- **OPEN-SOURCE AND INTERACTIVE DATABASE** FOR CM SOLUTIONS (ONLINE MARKET PLACE) THAT:
- PROVIDES ACCESS TO INFORMATION ABOUT **AVAILABLE CM SOLUTIONS** (SUPPLY) AND MATCHES IT WITH **PRACTITIONER NEEDS** (DEMAND)
- **ENRICHES SOLUTION DESCRIPTIONS** WITH **EXPERIENCES** AND LESSONS IDENTIFIED FROM PRACTITIONERS
- **FEEL FREE TO UPLOAD INFORMATION ON SOLUTIONS YOURSELVES** (POS.DRIVER-PROJECT.EU/)



TRIALS + FINAL DEMO

Five events to operationalise and test both the solutions and the Test-bed components

1. Poland – Toxic mud flood (May 2018)
2. France – Forest fire (October 2018)
3. The Netherlands – Flooding (May 2019)
4. Austria – Earthquake (September 2019)
5. Poland and the Netherlands – Multi hazard (November 2019)



Based on updated Crisis Management gaps and practitioner needs



Benefiting from the DRIVER+ Test-bed components



Testing the potential benefits of DRIVER+ Solutions and Test-bed at EU-level



All results to be made available in the Portfolio of Solutions

TRIAL – HOW TO USE PROJECT RESULTS IN PRACTISE

1. **GAP/NEED** – WHAT IS YOUR NEED/GAP AS A PRACTITIONER
2. **CMINE** – TALKING WITH OTHERS, MAYBE THEY HAVE THE SAME PROBLEMS IN THE PAST
3. **PoS** – SEARCHING SOLUTION FO NEED/GAP
4. CONTACT **CoE** -FOR USAGE OF PLATFORM OR SUPPORT IN THE IMPLEMENTATION OF THE TGM
5. **TGM** – USE HANDBOOK TO CREATE TRIAL
6. **TEST-BED INFRASTRUCTURE** – SUPPORT TRIAL FROM TECHNICAL PERSPECTIVE
7. **TRIAL** – EXECUTION, COLLECTION OF DATA
8. SHARING RESULTS WITH OTHER STAKEHOLDERS ON **CMINE**, EVALUATION OUTCOMES ALSO AVAILABLE IN **PoS**



TRIAL – WHAT IS A TRIAL? WHY NOT AN EXERCISE?

TRIAL:

- SOLUTION ASSESSMENT
- AIM: IMPROVING CRISIS MANAGEMENT / ADDRESSING CRISIS MANAGEMENT NEEDS
- FOCUSED ON BRINGING INNOVATION, CHANGING PROCESSES, NEW TECHNOLOGIES

EXERCISE:

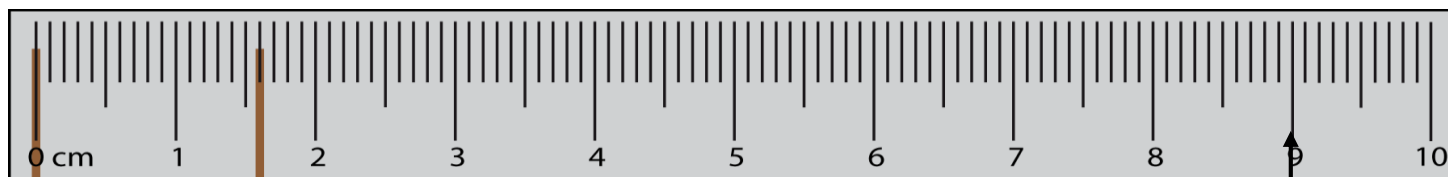
- TRAINING
- AIM: IMPROVING OPERATIONS WITH THE STATUS-QUO EQUIPMENT AND PROCEDURES
- FOCUSED ON HUMAN BEHAVIOUR & KNOWLEDGE

How?

By collecting objective data in a realistic crisis management scenario and comparing the data from using innovative solutions to using state of the art tools.

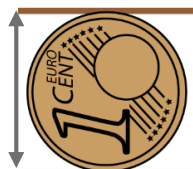
MEASURING INNOVATION

- COMPARING RESULTS/OBSERVATIONS TO REFERENCE DATA



To measure = identify a **quantitative fact** about an **object of interest** by **comparing** it to a **fixed unit**.

— 16mm —



The fixed unit can be any kind of **verified** reference.

It allows for analysis:
Coin A is bigger than Coin B.

- BASELINE VS. INNOVATION LINE

- **REFERENCE DATA**

- DATA SOURCES: REAL-LIFE DATA, SIMULATED DATA, **RE-ENACTED DATA**

Compared to

Measured data

Data source: re-enacted scenario with innovative solutions

RE-ENACTED DATA

„playing“ the
Baseline

- Same scenario
- With legacy tools

THE 3 DIMENSIONS OF A TRIAL

◦ THE SOLUTION DIMENSION

- THE INFLUENCE A SOLUTION (ITS USE, FUNCTIONALITIES ETC.) HAS ON THE TRIAL.



Functionality xyz did not cover the whole gap.

THE CRISIS MANAGEMENT DIMENSION

- THE INFLUENCE THE CRISIS MANAGEMENT (SOPs, ROLES, RESPONSIBILITIES, ETC.) HAS ON THE TRIAL.



The SOPs did disturbed the use of the solutions functionality.

THE TRIAL DIMENSION

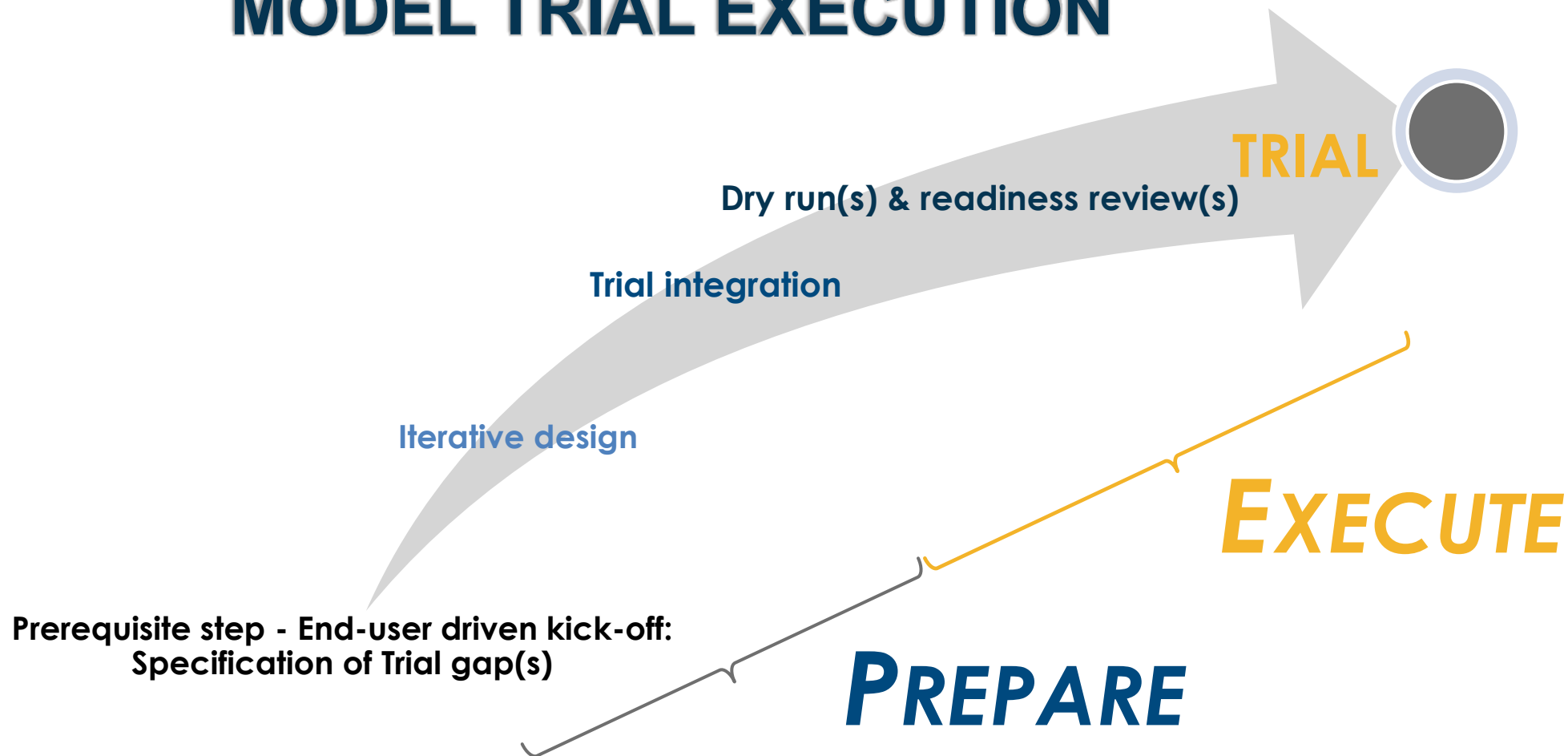
- THE INFLUENCE THE TRIAL ORGANISATION (LOGISTICS, AVAILABILITY OF KEY STAFF, HARDWARE, SOFTWARE, ETC.) HAS ON THE TRIAL.



The breakdown of the wifi did prohibit the use of the solution.

MODEL TRIAL EXECUTION

TRIAL PROCESS PREPARATION



Understanding what you want to achieve
and in what direction practical
implementation should go

Understanding what you can
achieve and how you are going
to do that

DESIGN



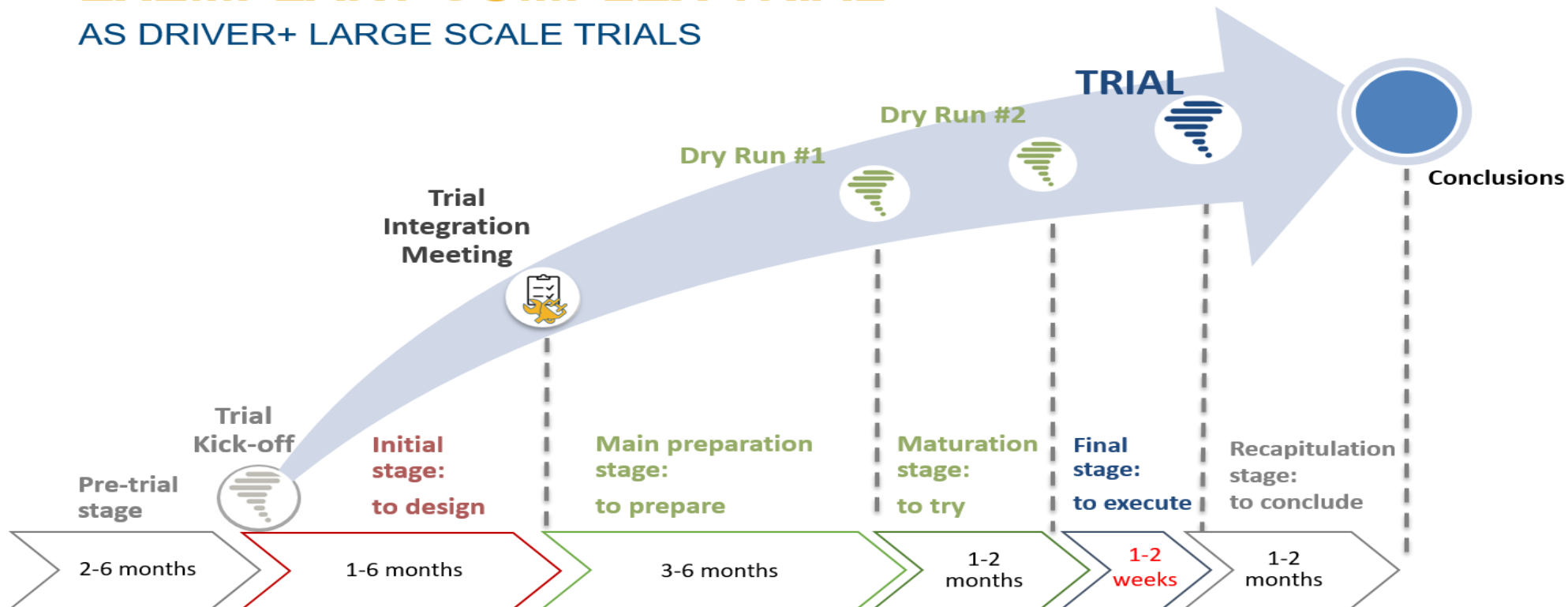
Understanding the practical
limitations and maturing chosen
design

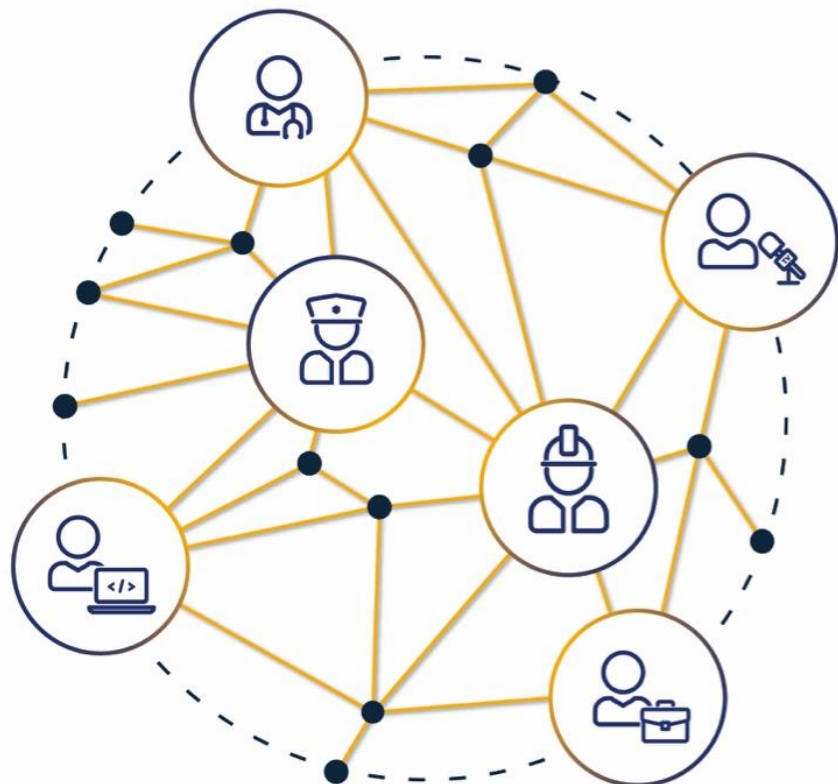
Fine tuning selected method
and overcoming technical
issues

EXECUTE

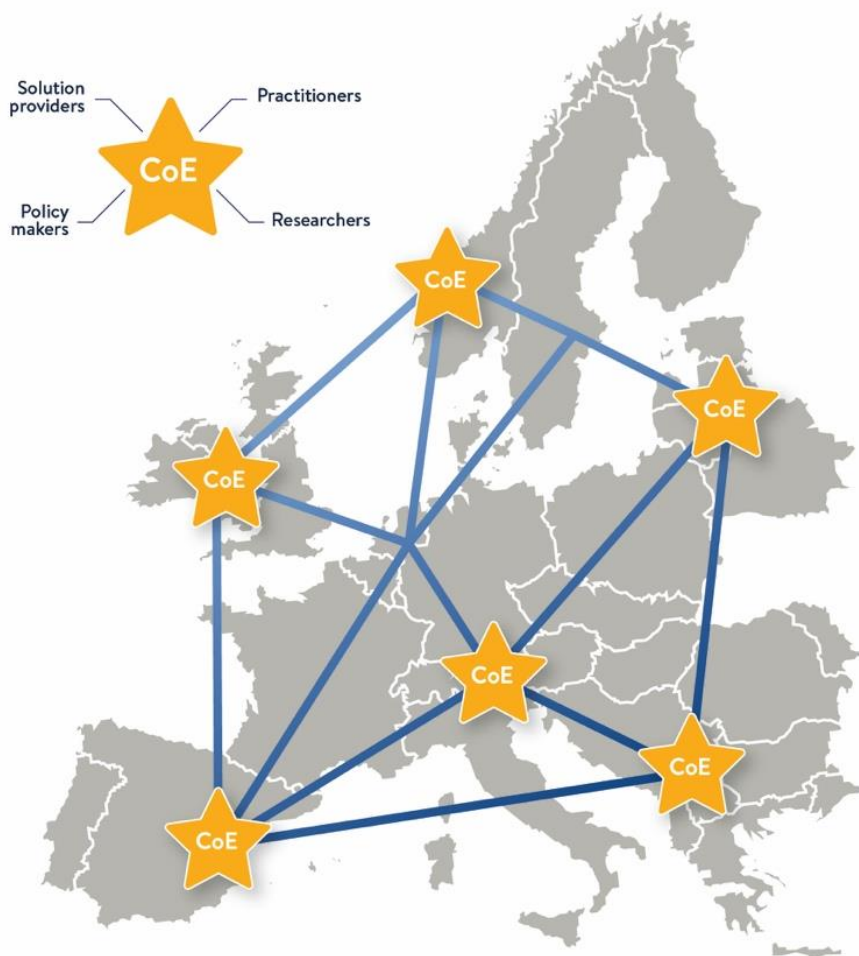
EXEMPLARY COMPLEX TRIAL

AS DRIVER+ LARGE SCALE TRIALS





- COMMUNITY OF PRACTICE WITH THE AIM TO:
- **LINKEDIN FOR CRISIS MANAGEMENT INNOVATION IN EUROPE ('ONE-STOP SHOP')**
- FOSTER INNOVATION THROUGH **MULTI-STAKEHOLDER** AND CROSS-SECTORAL INTERACTION
- CONTRIBUTE TO AN **ENHANCED UNDERSTANDING** OF CM IN EUROPE



- ORGANISATION THAT **SUPPORTS THE CAPABILITY DEVELOPMENT AND INNOVATION MANAGEMENT** OF PRACTITIONER ORGANISATIONS AT THE NATIONAL OR REGIONAL LEVEL
- **ADOPTS** EITHER THE WHOLE SUITE OF **DRIVER+ OUTPUTS** OR ONLY SOME OF ITS COMPONENTS
- AMBITION TO ESTABLISH A **PAN-EUROPEAN NETWORK**

WHAT IS THE FINAL CONFERENCE?

WITH DRIVER+ ENDING IN FEBRUARY 2020, THE FINAL CONFERENCE WILL GIVE YOU AN EXCITING OVERVIEW ON THE PROJECT'S ACHIEVEMENTS AND RESULTS.

DISCOVER AND PUT DRIVER+ KEY OUTCOMES AND TRIALLED SOLUTIONS TO THE TEST

BENEFIT FROM ROUNDTABLES, DEMONSTRATIONS, EXHIBITIONS, AND HIGH-LEVEL KEYNOTES.

LEARN MORE ON THE DRIVER+ LASTING IMPACT AND HOW YOU CAN BENEFIT – FOR EXAMPLE BY JOINING THE DRIVER+ CMINE COMMUNITY (WWW.CMINE.EU) OR BY BECOMING AN EARLY ADOPTER OF A DRIVER+ SOLUTION.

THE DRIVER+ FINAL CONFERENCE IS ANTICIPATED TO CONVENE UP TO 300 INTERNATIONAL PARTICIPANTS, BRINGING TOGETHER POLICY MAKERS AND CRISIS MANAGEMENT PRACTITIONERS, SOLUTION PROVIDERS AND SOLUTION SEEKERS, CRISIS MANAGEMENT EXPERTS AND RESEARCHERS – THE PERFECT NETWORKING OCCASION FOR THE EUROPEAN CRISIS MANAGEMENT COMMUNITY.



DRIVER+ Final Conference ++ 19th and 20th February 2020

Unlocking the innovation potential in European crisis management

For the past five years, a dedicated team of forward-thinking practitioner organisations, research institutes, industries and SMEs have been **driving innovation in crisis management for European resilience**. The DRIVER+ project showcases the wealth of European innovation in crisis management through approaches that seek to improve the way capability development is tackled and potentially innovative solutions are assessed.

The project has committed itself to deliver five sustainable outputs to the European Crisis Management community:

- + Pan-European Test-bed
- + Trial Guidance Methodology
- + European Crisis Management Innovation Network
- + Portfolio of Solutions
- + Centres of Expertise framework

Browse the DRIVER+ digital flipbook for an in-depth overview of the project's key results.

The DRIVER+ Final Conference will provide exciting insights into the projects' achievements and results before the project finishes in April 2020. It will be held from the **19th to the 20th of February 2020 at BluePoint Brussels** and will allow you to:

- > Discover and put **DRIVER+ key outcomes and trialed solutions** to the test through demonstrations, exhibitions and guided walks;
- > Discuss the **policy implications** of the project with panellists and keynote speakers through plenary sessions and roundtables;
- > Learn more on the **DRIVER+ lasting impact** and how you can **benefit** from them – for example by joining the Crisis Management Innovation Network Europe or by becoming an adopter of a DRIVER+ solution.

The DRIVER+ Final Conference is anticipated to convene **up to 300 international participants**, bringing together policy makers, solution providers, and crisis management practitioners and experts – the perfect networking occasion for the crisis management community in Europe and beyond.

Register today and join us in February in Brussels!

To be kept up-to-date on all upcoming events sign up to our newsletter.





@DRIVER_project



Groups:
DRIVER Project



DRIVER Project

- **MORE INFORMATION ABOUT THE PROJECT -** COORDINATION@PROJECTDRIVER.EU
- **INTERESTED IN COLLABORATING WITH US? -** COOPERATION@PROJECTDRIVER.EU
- **COMMUNICATION AND MEDIA CONTACT** COMMUNICATION@PROJECTDRIVER.EU

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Thank you for your attention

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